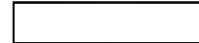


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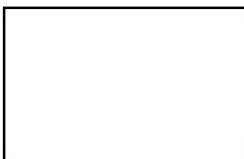
18 - 27 NOVEMBER 1970

FOR REFERENCE

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Declass Review by NIMA / DoD

104666



NRO
review(s)
completed.

NPIC MCS01570

MISSION COVERAGE STATISTICS MISSION 1112...

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INTRODUCTION

This publication provides preliminary coverage data, Greenwich Mean Time of passes, correlation of photographic coverage with WAC chart areas, coverage plots, and preliminary data for Mission 1112-1, dated 18-27 November 1970 (GMT).

Plot sheets are arranged by geographic areas as indicated by the index tabs. Coverage of the Eurasian land mass is divided into days to eliminate illegible overprinting.

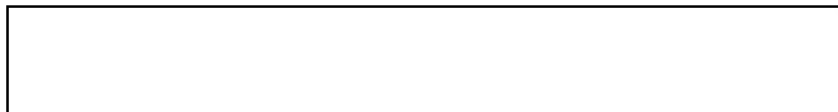
Plots for the forward and aft cameras are portrayed as stereoscopic and/or monoscopic passes. Stereo passes will be shown with the forward-looking camera frame numbers inside the pass outline and the corresponding aft-looking camera frame outside the pass outline. In the event of monoscopic coverage, only the frame numbers of the operative camera will appear. The relative location of photographs falling between the numbered frames may be approximated by interpolation.

All frames are indicated on the plot sheets, regardless of water coverage, total cloud cover, or a complete lack of imagery.

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PRELIMINARY MISSION DATA

Mission Number: 1112-1

Launch Date/Time (GMT): 18 November 1970/2129Z

Photo Dates (GMT): 18-25 November 1970

Recovery Date/Time (GMT): 27 November 1970/1809Z

Operational Photo Passes: 35

Operational Altitude Limits: 98 - 118 nautical miles

Photo Scale Range: 1:296,176 - 1:357,386

Operational Ground Coverage (Fwd and Aft):

- a. Linear nautical miles 42,440
- b. Square nautical miles 5,941,600

Frames:

a. Operational

Fwd-Looking 2,610

Aft-Looking 2,728

b. Stellar 4,882

c. Index 2,441

Operational Imagery Footage (Fwd and Aft): 13,222

Anomalies: A 0.05 inch wide longitudinal film base gouge is present 0.8 inch from the time track film edge on 2800 feet of the fwd record. This gouge starts on frame 62 of pass D05 and continues to frame 1 of pass D35.

Vehicle Attitude: Normal

Image Quality:

- a. Main Cameras - The overall image quality of the fwd and aft cameras is good and comparable to the best of this system. Most imagery retains its edge sharpness at magnifications above 50 times. The aft camera image quality is slightly better than that of the fwd camera.
- b. Stellar and Index Cameras - The stellar and index cameras were operational throughout the mission. The imagery from both cameras is considered good.

Cloud Free Coverage: Approximately 85 percent of the entire mission is cloud free.

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GREENWICH MEAN TIME

These times are derived from preliminary data and cannot be verified at this time. They are carried to the nearest whole minute:

MISSION 1112-1

PASS	DATE (Z)	CAM ON		CAM OFF	
		HR (Z)	MIN (Z)	HR (Z)	MIN (Z)
3D	19 November 1970	01	51	01	52
4D	19 November 1970	03	20	03	21
5D (1)	19 November 1970	04	48	04	50
5D (2)	19 November 1970	04	53	04	55
6D (1)	19 November 1970	06	19	06	20
6D (2)	19 November 1970	06	21	06	22
6D (3)	19 November 1970	06	22	06	25
7D (1)	19 November 1970	07	46	07	47
7D (2)	19 November 1970	07	47	07	50
7D (3)	19 November 1970	07	51	07	55
10D	19 November 1970	12	23	12	27
20D	20 November 1970	02	57	02	58
21D (1)	20 November 1970	04	28	04	30
21D (2)	20 November 1970	04	31	04	31
22D	20 November 1970	05	57	05	59
23D (1)	20 November 1970	07	23	07	27
23D (2)	20 November 1970	07	29	07	31
24D	20 November 1970	08	53	08	54
27D	20 November 1970	13	23	13	24
35D	21 November 1970	01	06	01	07
37D	21 November 1970	04	04	04	09
38D	21 November 1970	05	36	05	38
39D (1)	21 November 1970	07	03	07	04
39D (2)	21 November 1970	07	05	07	07
39D (3)	21 November 1970	07	07	07	10
40D	21 November 1970	08	31	08	36
52D	22 November 1970	02	13	02	14
54D	22 November 1970	05	14	05	17
55D (1)	22 November 1970	06	41	06	42
55D (2)	22 November 1970	06	45	06	46
56D	22 November 1970	08	13	08	14
57D (1)	22 November 1970	09	38	09	38
57D (2)	22 November 1970	09	41	09	42
58D	22 November 1970	11	13	11	13
70D (1)	23 November 1970	04	47	04	48
70D (2)	23 November 1970	04	49	04	54
71D (1)	23 November 1970	06	20	06	22
71D (2)	23 November 1970	06	24	06	26
72D (1)	23 November 1970	07	50	07	52
72D (2)	23 November 1970	07	54	07	55
74D	23 November 1970	10	50	10	53

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MISSION 1112-1 (Continued)

PASS	DATE (Z)	CAM ON		CAM OFF	
		HR (Z)	MIN (Z)	HR (Z)	MIN (Z)
85D	24 November 1970	02	58	02	59
86D (1)	24 November 1970	04	28	04	31
86D (2)	24 November 1970	04	32	04	33
87D (1)	24 November 1970	05	58	06	00
87D (2)	24 November 1970	06	02	06	04
88D (1)	24 November 1970	07	28	07	30
88D (2)	24 November 1970	07	32	07	33
90D (1)	24 November 1970	10	21	10	22
90D (2)	24 November 1970	10	30	10	31
90D (3)	24 November 1970	10	35	10	36
91D	24 November 1970	12	01	12	03
102D	25 November 1970	04	06	04	07
103D (1)	25 November 1970	05	32	05	33
103D (2)	25 November 1970	05	37	05	39

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WAC CORRELATION LIST
MISSION 1112-1

<u>WAC AREA</u>	<u>PASS</u>	<u>WAC AREA</u>	<u>PASS</u>
0070	5D,70D	0204	37D
0071	5D	0236	24D
0072	4D	0237	24D,40D
0073	3D,52D	0238	7D
0074	3D	0239	7D,23D,39D
0075	25D	0240	39D,55D,71D,87D
0094	7D	0241	6D,22D,87D
0095	7D	0242	71D,87D
0096	103D	0243	7D,23D,39D
0097	103D	0244	7D,72D,88D
0098	23D	0245	40D,72D
0099	7D,23D	0246	40D
0103	90D	0282	21D,37D
0120	75D	0283	5D,21D
0121	3D,75D	0284	54D,70D,86D
0122	3D,52D	0285	22D,38D,54D
0123	4D,20D,52D,85D	0286	6D,22D,87D,103D
0124	4D,85D	0287	6D,22D,87D,103D
0125	5D,70D	0288	22D,38D,54D
0126	70D	0289	54D,70D,86D
0127	6D,103D	0290	5D,21D,86D
0128	5D,70D,86D	0291	21D,37D
0129	5D,21D,37D	0325	57D
0130	4D,37D,85D	0327	40D
0131	4D,20D,52D	0328	40D,56D,72D
0132	52D	0329	7D,72D,88D
0153	90D	0330	7D,23D,39D
0154	57D	0331	39D,71D,87D
0155	57D	0332	55D
0157	7D,103D	0333	23D,39D,55D
0158	7D,23D,39D,55D	0334	7D,23D
0159	6D,39D,55D	0335	7D,72D,88D
0160	6D	0336	40D,56D,72D
0161	23D,39D,55D	0337	40D
0162	7D,23D,55D	0339	57D
0163	40D	0346	27D
0164	24D,40D	0347	27D
0166	57D	0380	5D,86D
0188	102D	0381	54D,70D,86D
0197	21D,37D	0382	38D,54D
0198	21D,37D,86D	0383	6D,103D
0199	70D,86D	0384	6D,87D,103D
0200	6D	0385	54D
0201	22D,38D,54D,70D	0386	54D,70D
0202	54D,70D,86D,102D	0420	27D
0203	21D,37D,102D	0421	27D

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WAC CORRELATION LIST (Continued)
MISSION 1112-1

<u>WAC AREA</u>	<u>PASS</u>	<u>WAC AREA</u>	<u>PASS</u>
0425	58D,74D	0553	7D,23D
0426	74D	0554	23D,39D
0431	56D,72D	0555	71D,87D
0432	72D	0556	71D
0433	7D,23D	0559	72D
0434	23D,39D,55D	0560	72D
0435	55D,71D,87D	0566	90D
0436	71D,87D	0567	74D,90D
0437	39D	0663	91D
0438	7D,23D,39D	0691	10D
0439	7D,88D	0692	10D,91D
0440	88D	0784	91D
0447	74D	0785	10D,91D
0448	58D,74D	0786	10D
0495	87D	0810	90D
0496	87D	0813	10D
0544	74D,90D	0906	10D
0545	90D	0907	10D
0551	72D	0909	90D
0552	7D,72D,88D	0910	90D

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